

ANGIOGENESIS PROMOTER CONTAINING SPHINGOSINE 1-PHOSPHATE AS ACTIVE INGREDIENT

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Abstract of KR20010008569

PURPOSE: An angiogenesis promoter containing sphingosine 1-phosphate as active ingredient is provided, which promotes an angiogenesis by binding with a cell receptor that exists in a vascular endothelial cell in vivo and in vitro. **CONSTITUTION:** In vascular endothelial cell, EDG-1 is expressed more prevalently than EDG-3 and EDG-5, that means the vascular endothelial cell responds to sphingosine 1-phosphate. As the concentration of S1P increases, the mobility of the vascular endothelial cell increases as well. When treating the vascular endothelial cell with sphingosine, C2-ceramide, and lysophosphatidic acid, the mobility of vascular endothelial cell does not show change. An angiogenesis promoter is characterized by comprising sphingosine 1-phosphate as active ingredient and pharmaceutically acceptable carrier and by being used as therapeutic agents for burn, rheumatoid arthritis, ulcer, arteriosclerosis, myocardial infarction and the like.

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